ARCHITECTURAL SPECIFICATIONS

GENERAL SPECIFICATIONS

The installation and application of all materials shall be in accordance with the current printed manufacturer's instructions and recommendations.

METAL STUDS AND CHANNEL MOVABLE PARTITIONS

Metal studs shall be roll formed channel type sections fabricated of U.S.S. No. 25 gauge, galvanized sheet steel, 2 1/2 inches wide and in the longest one piece lengths available.

Ground wallboard shall be grade "X" fire-retardant wallboard 48 inches wide and of thickness indicated on the Contract Drawings and shall be of uniform quality conforming to Federal Specification SS-L-30 and to ASTM C36.

Wallboard shall be furnished and installed in the longest available lengths so that wallboard panels extend vertically in one piece from floor to ceiling and/or slabs, beams or decks above, as required.

Wallboard used in fire rated partitions shall be delivered to the construction site bearing Underwriters Laboratory certification and U.L.C. Board of Standards and Appeals Calendar numbers.

Ceiling and floor runners shall be roll formed channel type sections fabricated of U.S.S. No. 25 gauge, galvanized steel. Runners shall be in 10'-0" lengths.

Trim members shall be fabricated of U.S.S. No. 25 gauge galvanized steel and shall include corner reinforcement and casing type edge trim.

Corner reinforcement shall be complete with perforated tape wings, and shall be type No. 11 "Perf-a-Bead" as manufactured by U. S. Gypsum Co., or an approved equal. Corner and edge trim members shall be in single lengths.

Screws for fastening wallboard to studs shall be bugle type Phillips head screws specifically manufactured for power tool installation.

Joint treatment materials shall be expressly manufactured by the wallboard manufacturer for use with the manufacturer's wallboard materials. Joint compounds shall be the ready mixed type conforming to ASTM C475. Tape reinforcement shall be perforated and shall conform to ASTM C475. Taping and spackling shall be a three (3) coat application.

Before installing channel studs wrap top of stud with electrical tape to isolate metal stud from metal runner. Do not secure studs of gypsum wallboard to top channel runner.

Compressible fireproofing shall be tightly packed in voids between top channel of all fire rated partitions and flutes of slab above. Thermafiber Mineral Fireproofing shall be as manufactured by U. S. Gypsum Co. or an approved equal.

METAL AND GLASS PARTITIONS

Metal and glass partitions shall be one of the following:

Acme - 350 Series
Mauserman - Dalimeister
Manning - Monogram
L.N.T. Steel Products Inc. - Bel-Aire

PAINTING

Paints shall be as manufactured by Devoe & Reynolds, Dupont, Glidden or an approved equal.

Paints shall be of the type specifically manufactured for application to the surface to which it is to be applied.

All paint shall be applied carefully with good clean brushes, or approved rollers. Paint shall be evenly spread and when brushes are used shall be thoroughly brushed out. The work shall be so performed as to avoid damage to other surfaces. Any damage to adjacent surfaces shall be repaired to a manner satisfactory to the Engineer. Finish coats shall be smooth and free from runs, sags, holidays or other defects. Finish surfaces shall be uniform in gloss, color and texture. Each coat of paint shall be of sufficient thickness to cover completely the previous coat or surface.

Walls shall have one (2) coats of paint. Doors and frames shall have two (2) coats of paint both sides, unless otherwise noted.

Ceiling tiles shall be painted, one coat Luminall satin paint, ACRYLAMONE No. 21001 White, as manufactured by Luminall Paint Company or approved equal.

WALL COVERING

Prime and seal all surfaces scheduled for wall covering.

All work shall be in accordance with the manufacturer's printed instructions.

Closet Shelf and Clothes Pole

Closet shelf shall be 3/4" thick particle board supported by continuous angle on three sides. Paint shelf and angle to match walls. Clothes pole shall be 1" O.D. 20 Ga. chrome plated steel tubing No. 1230 as manufactured by Fisher Towel Holder Co. or approved equal.

MATERIALS THAT CAN BE PURCHASED FROM THE AUTHORITY

Materials can be purchased from the Port Authority by calling Mr. Charles Rosnizewski at 466-4155, who will inform you of the procedure to be followed.

Materials purchased can be obtained at the D-1 Level of 1 World Trade Center, Room 110 or from an area or store designated by the Engineer.

Material storage area is open daily (except weekends and P.A. holidays) from 7:00 a.m. to 12:00 noon. For material withdrawals, call Mr. Dan Holly at 466-3278, 4335, 3575 or 4138 24 hours in advance for an appointment.

- [ ] All components for movable gypsum wallboard partition NOT AVAILABLE IN LIMITED QUANTITIES. _____ L.F.
- [ ] Ceiling and floor runners for salvaged (movable gypsum wallboard) partition _____ L.F.
- [ ] Vinyl asbestos floor tile _____ S.F.
- [ ] Wall Base
  - (a) Straight _____ L.F.
  - (b) Cove _____ L.F.
- [ ] Acoustic ceiling tile and suspension system
  - (a) 12" X 12" tile _____ S.F.
  - (b) 20" X 20" tile _____ S.F.
- [x] Hardware
  - Set I 1 (2) pairs butts, (1) mortise lockset, (1) domestop, (3) silencers, (1) closer
  - SET II _____ (4) pairs butts, (2) flush bolts, (1) mortise lockset, (1) closer, (2) domestops, (2) silencers, (1) coordinator
  - SET III _____ (2) pairs butts, (1) latchset, (1) domestop, (3) silencers
  - SET IV _____ (2) pairs butts, (1) domestop, (3) silencers, (lockset by others)
- [ ] Aluminum Saddles: 3'-0" _____, 5'-0" _____
- [ ] Sliding door units: 4'-0" _____, 5'-0" _____, 6'-0" _____
- [ ] Hollow metal doors and frames

Door	Description	Hdwr. Set
1	3'x7-10¼ H.M.	I

INSTALLATION OF MATERIALS

MOVABLE GYPSUM WALLBOARD PARTITIONS

The installation of movable gypsum wallboard partitions shall be in accordance with currently printed manufacturers instructions and recommendations unless otherwise directed by the engineer.

HARDWARE

Finish hardware installation shall conform to the manufacturers requirements. Installation shall be in a neat and willful manner, with all components operating properly. All knobs, handles, pulls and other exposed items, shall be suitably wrapped and protected as soon as they have been installed and such protection shall remain until the acceptance of the work.

Immediately preceding final inspection all hardware shall be cleaned carefully by a method which will in no way damage it.

Butts - Stanley FBB 179 X 4-1/2" x 4-1/2"
Mortise Lockset - Corbin #125-8551
Latch Set - Corbin #833-410
Closer - Corbin #500-S-3
Flush Bolts - Corbin #2846, 1-12" lg., 1-30" Lg.
Domestop - Corbin #373-1/2
Coordinator - Von Duprin #1237
Silencers - Corbin #33
Aluminum Saddles - Zero Weatherstripping Co., Inc. #654

HOLLOW METAL DOORS AND FRAMES

Frames shall be installed plumb, straight, and true with horizontal lines level and all vertical lines plumb. Frames shall be secured rigidly in place and shall be anchored to the floors, jambs and heads in an approved manner. All frames shall be braced until adjacent construction has been completed and has attained sufficient strength to maintain the frames in position.

Installation of door frames shall include all spacer clips, shims, channel lintels and sub-frames as shown, and all neoprene gaskets.

Doors shall be installed plumb and true with their frames and shall operate freely without binding.

After erection, all damaged areas in the shop coat, exposed surfaces of bolts, bolt heads, nuts and washers, and all field welds., if necessary, and unpainted areas adjacent to field welds shall be painted with the same paint used in shop coating.

Doors and frames that are to be supplied by the contractor shall be similar and equal in every respect to those that are furnished by the Authority.

WALL BASE

Wall Base shall be applied against the wall with approved type cement adhesive keeping cement 1/4" below top of base. Adhesive for installation of base shall be furnished by the contractor. Vertical joints shall be held to a minimum with a minimum distance from a joint to a corner equal to 1'-0".

ACOUSTIC CEILNG

Black iron carrying channels shall be securely supported by hangers fastened to the overhead structural members, channels shall be spaced as required to adequately support light fixtures, drapery pocket and the acoustic ceiling assembly.

Ceiling tile shall be installed in a true and even plane, butt joints tightly together, install metal edge mouldings as required.

NOTES

1. The work required under this contract shall be performed on (PREMIUM) (STANDARD) time unless otherwise required by other clauses of this contract or as directed by the Engineer.
2. Before commencing work, the Contractor shall verify all conditions and dimensions in the field. Any errors or omissions shall be brought to the attention of the Engineer.
3. Before commencing work, the contractor shall notify the Engineer of any areas without fireproofing. All exposed structural steel and chipped-off fireproofing shall be patched or touched-up with CAFCO [illegible] or approved equal as directed by the Engineer.
4. The Contractor shall not drill holes into existing slabs or structural members for the purpose of supporting any loads, unless written approval is obtained from the Engineer.
5. The Contractor shall protect the public or tenant space below from any damage resulting from floor drilling operation.
6. The Contractor shall repair or replace existing construction damaged in the performance of this Contract.
7. The space around pipes, ducts, etc. penetrating rated walls, shall not exceed 1/2" and shall be packed solid with mineral wool or approved equal and be closed off by close fitting metal escutcheons on both sides of the partition as required by NYC Building Code C26-540.5.
8. Firestopping shall be as required by NYC Building Code C26-540.7.
9. All wood shall be fireproofed as required by NYC Building Code C26-502.6.
10. All interior finishes shall comply with NYC Building Code C26-504.10.
11. Carpeting shall conform to Port Authority specifications for flammability and smoke developed ratings.
12. Where rated partitions intersect convector enclosures, install within the enclosure a rated fire stop equal to the rating of the wall.
13. Where unrated partitions intersect convector enclosures, install within the enclosure a sound barrier of 2 inch 3 lb. density semi-rigid fiberglass board.
14. Partition dimensions are to centerline of partition unless otherwise noted.
15. Centerlines of partitions abutting window columns shall be centered on the columns, unless otherwise noted.
16. Partitions not located by a fixed dimension on the plan shall be located as shown on the reflected ceiling plan. Partitions shall be centered on the tile or splean as shown.
17. Unless otherwise noted, locate all doors 6 in. minimum distance from adjacent intersecting walls.
18. Remove, modify if required, clean and rehang drapes.
19. Modify drapery track and restring as required to suit final partition layout.
20. Existing floor tile shall be cleaned and, where required, shall be restored as directed by the Engineer.
21. Carpet installed under this contract shall be cut-out and form-fitted around all existing and new floor telephone and/or electrical outlets. Access cut-outs shall be provided at floor access panels.
22. Rubber base shall be installed on all new partitions, both sides unless otherwise noted.
23. Unless required to paint the entire area, the Contractor shall paint existing walls that are cut and/or patched. The entire wall shall be painted up to the nearest external or internal corner or door frame. Color shall match existing.
24. When movable partitions are shown to be removed, the Contractor shall reuse at least 60% of these partitions in the new construction. Return surplus material to the Authority as salvage material.

LEGEND

Applicable legend as checked in boxes.

- [ ] Existing core wall.
- [ ] Existing construction to remain.
- [ ] Existing construction to be removed.
- [ ] Two (2) hour fire rated partition. Construction shall conform to BS 5 A Col. No. 1020-65-EM except as noted.
- [ ] One (1) hour fire rated partition. Construction shall conform to National Board of Fire Underwriters Design No. 20-1 HR.
- [x] Floor to ceiling gypsum wallboard partition.
- [ ] Floor to ceiling moveable partition.
- [ ] Metal and glass partition.
- [ ] Protection box over light fixture.
- [x] H.M. Door
- (R) Relocate
- (S) Salvage

CONTRACT WTC 577.897
TCA/TAA NO. 2702
DATE APPROVED 12.28.89

JOHN C. WESTRICK & ASSOCIATES
CONSULTING ENGINEERS
3148 PARK AVENUE
SOUTH PLAINFIELD, N.J. 07080

SCALE:	DWN.BY:	A-2
DATE:	CHK.BY:	

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
A-98
CAMERON GENERAL CORP.
A-2